

APPROVED	O.G. FIG.
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009027 94544360

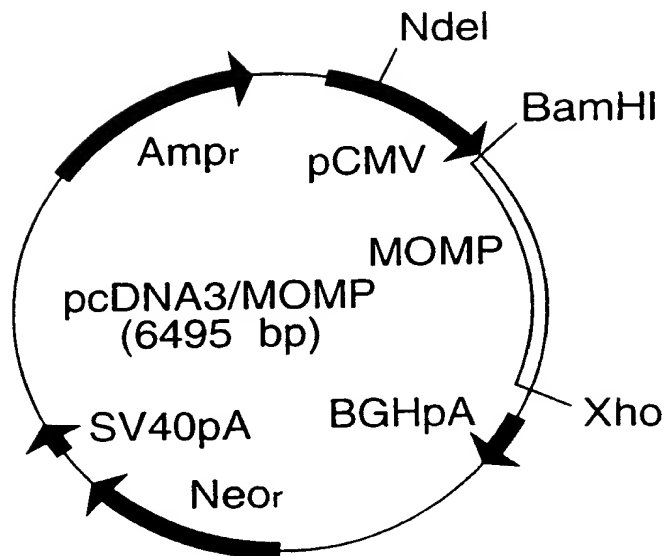


FIG.1

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MoPn MOMP gene (nucleotide number of mature MOMP)

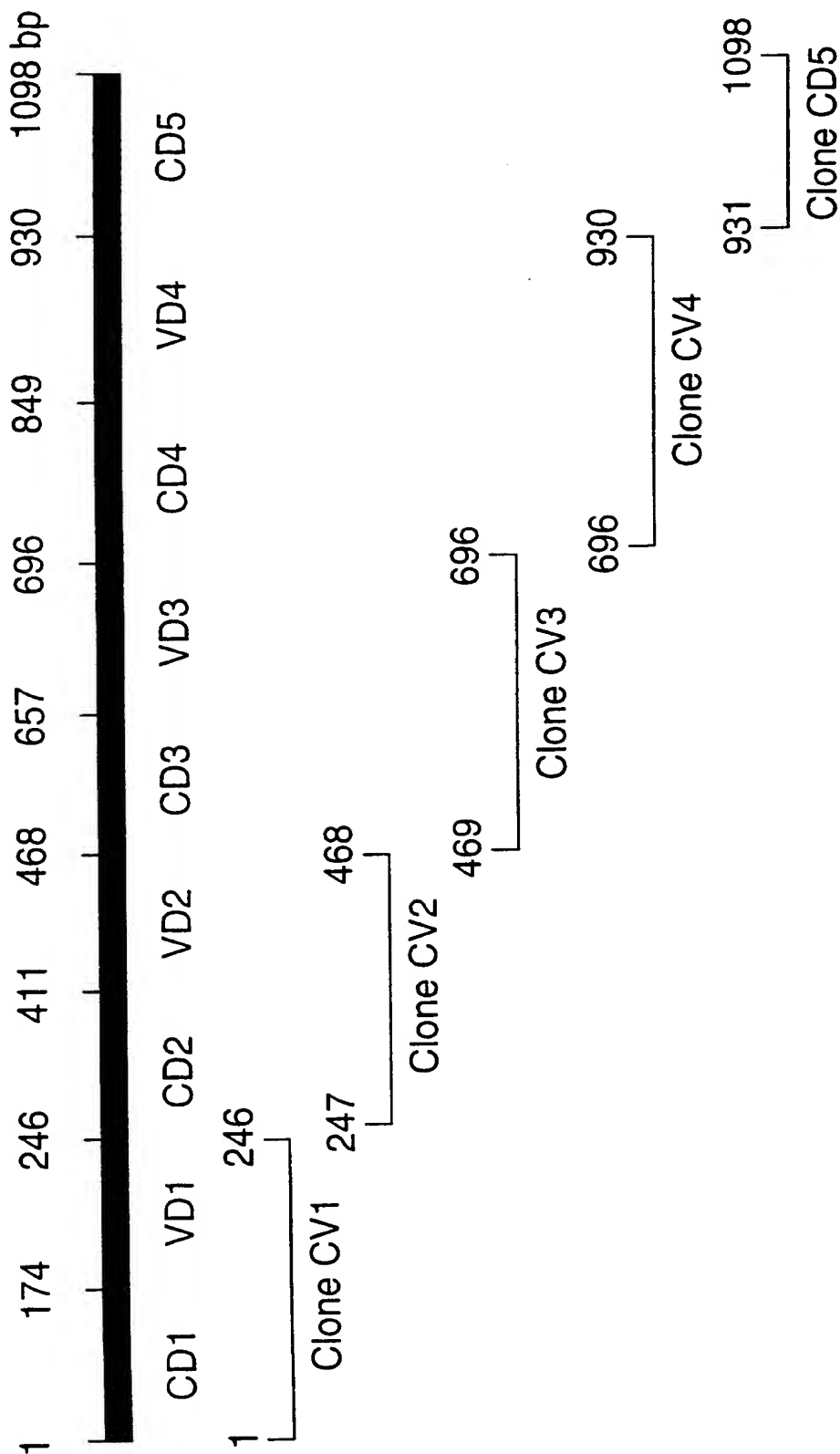


FIG.2

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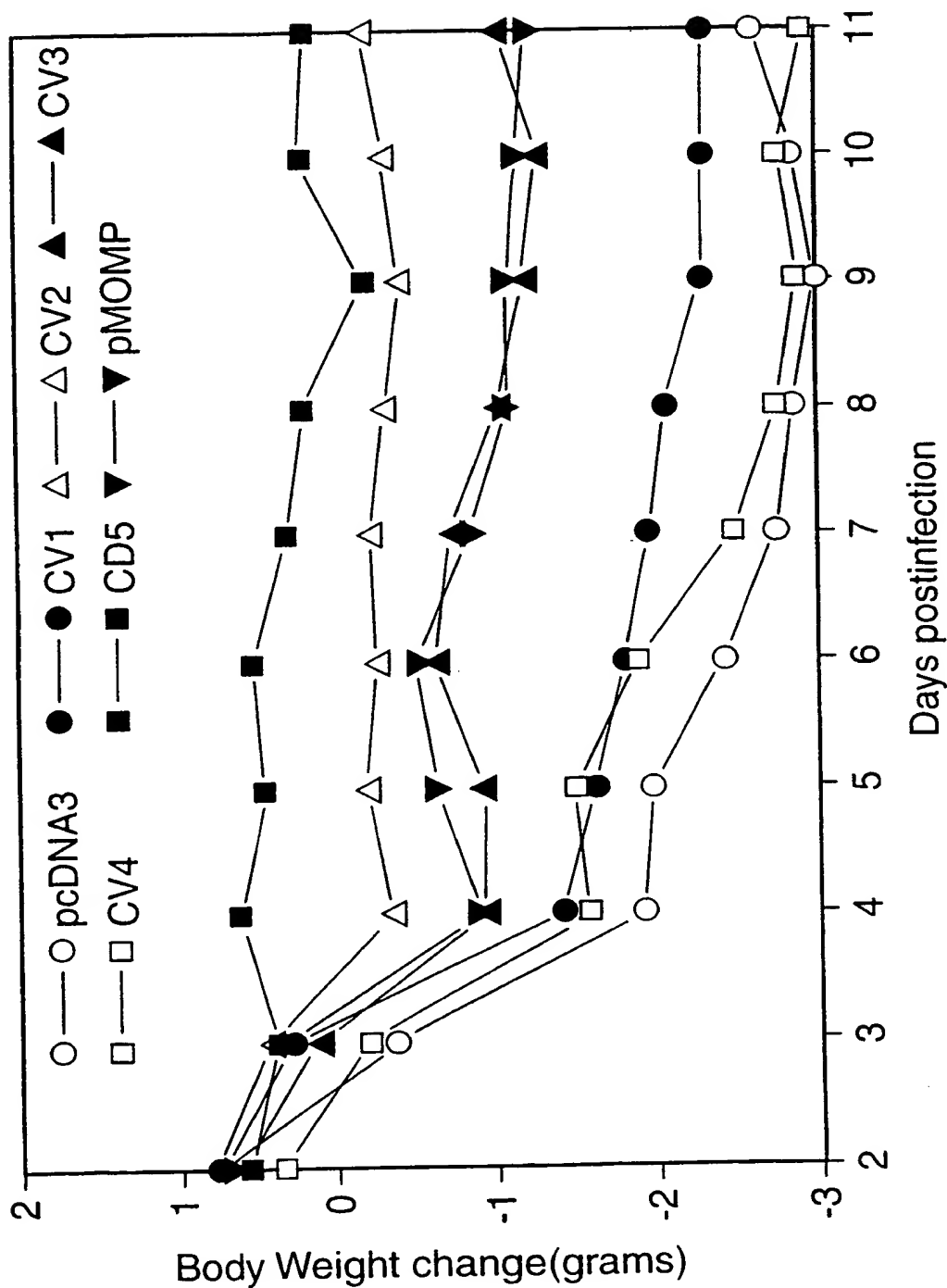


FIG.3

APPROVED	O.G. FIG.
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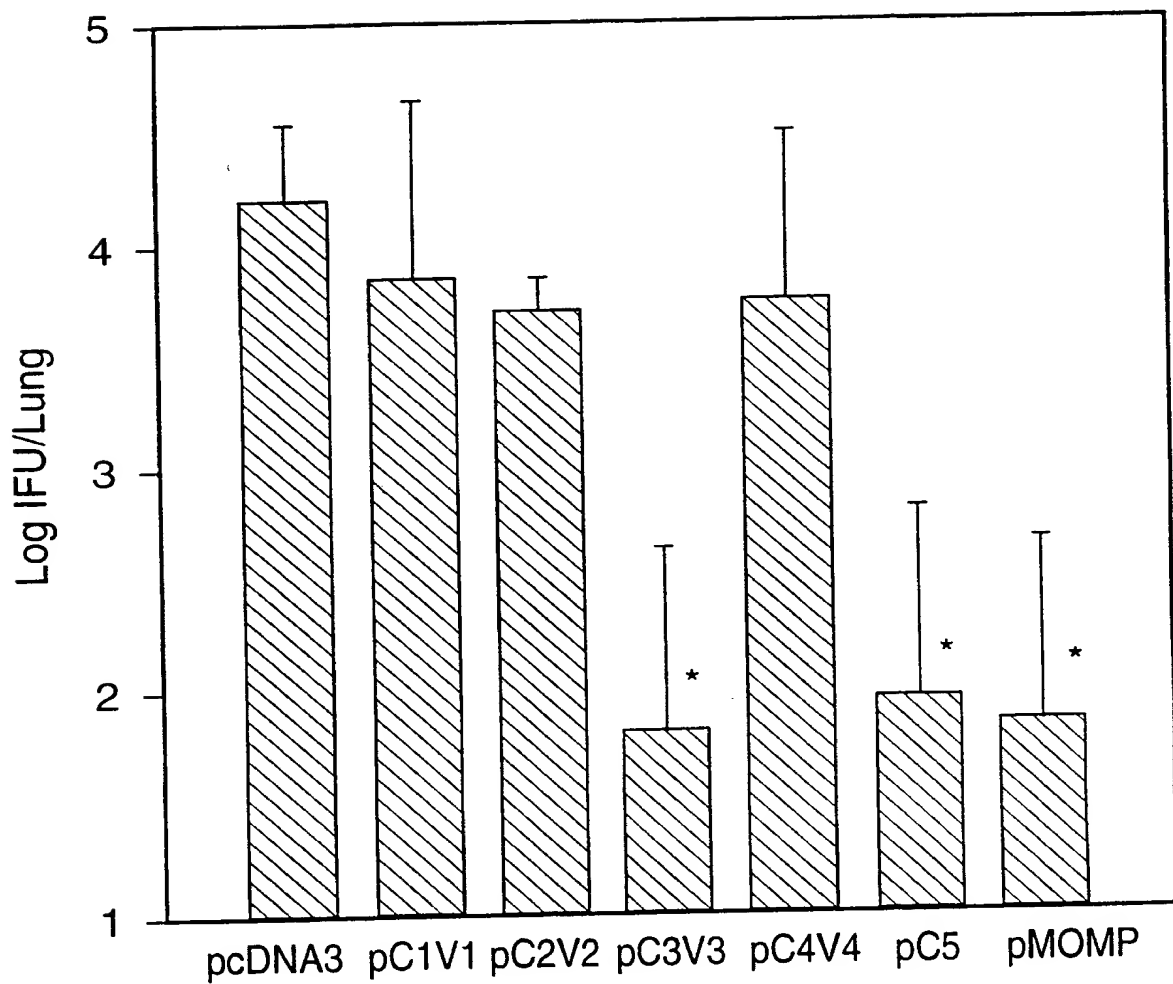


FIG.4

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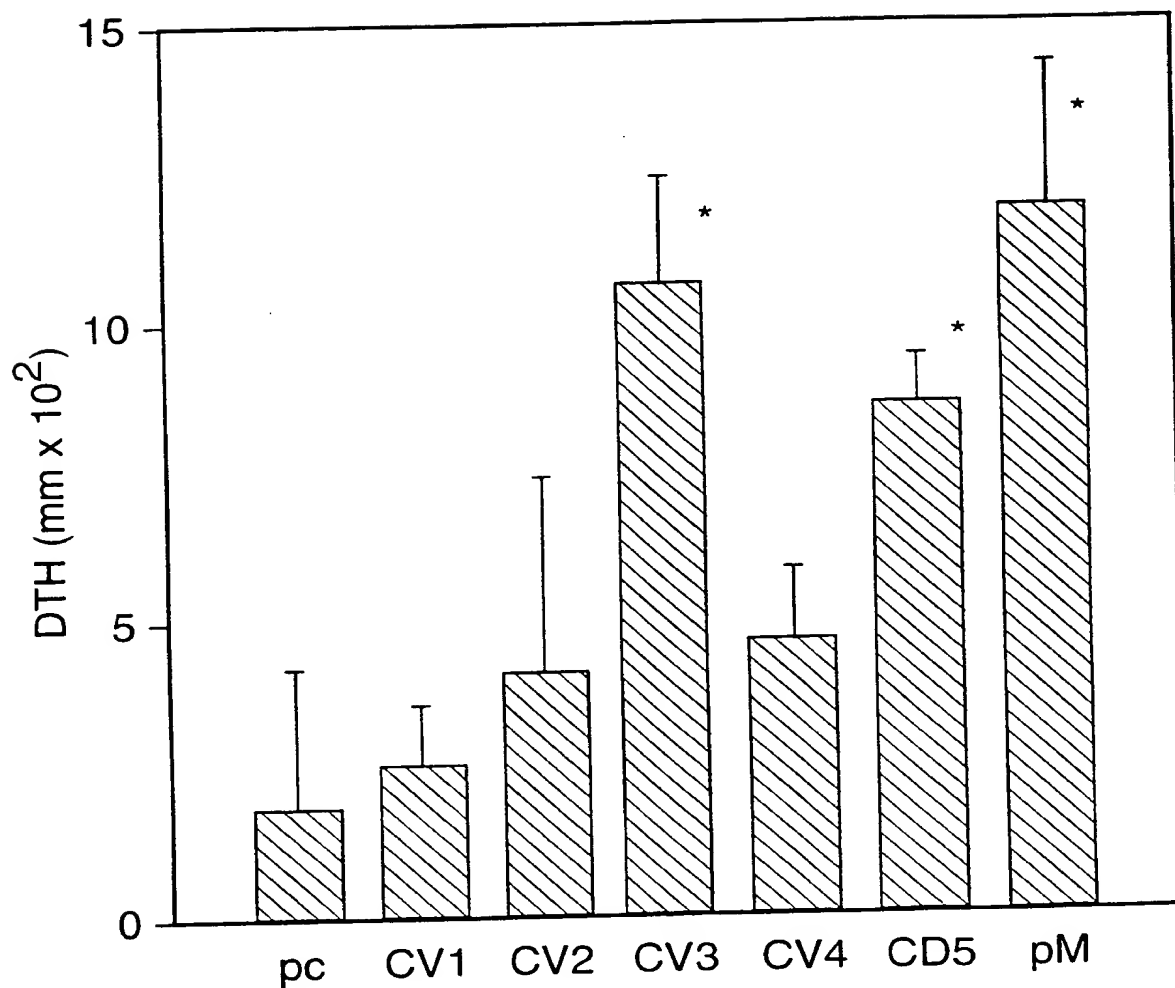


FIG.5

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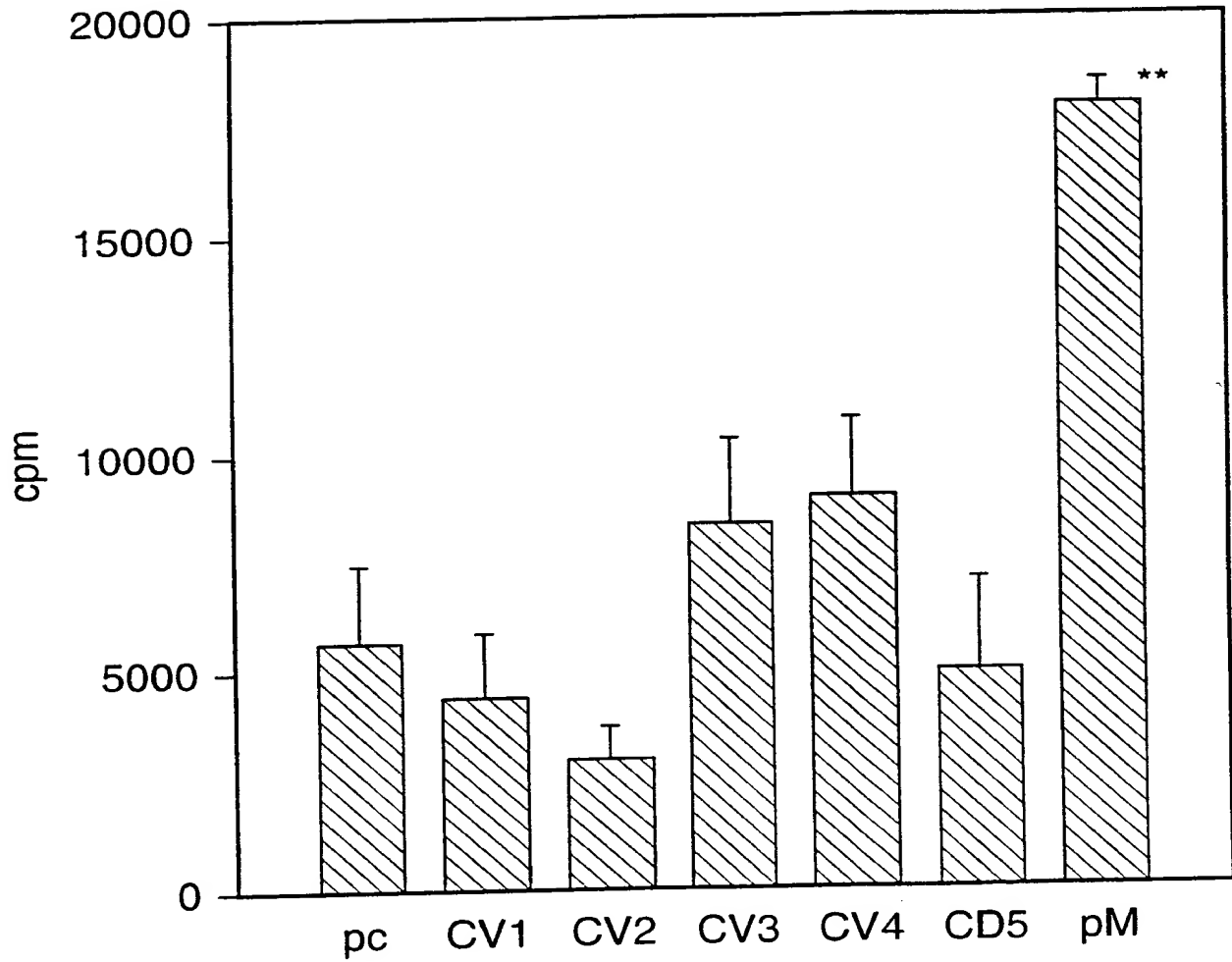


FIG.6

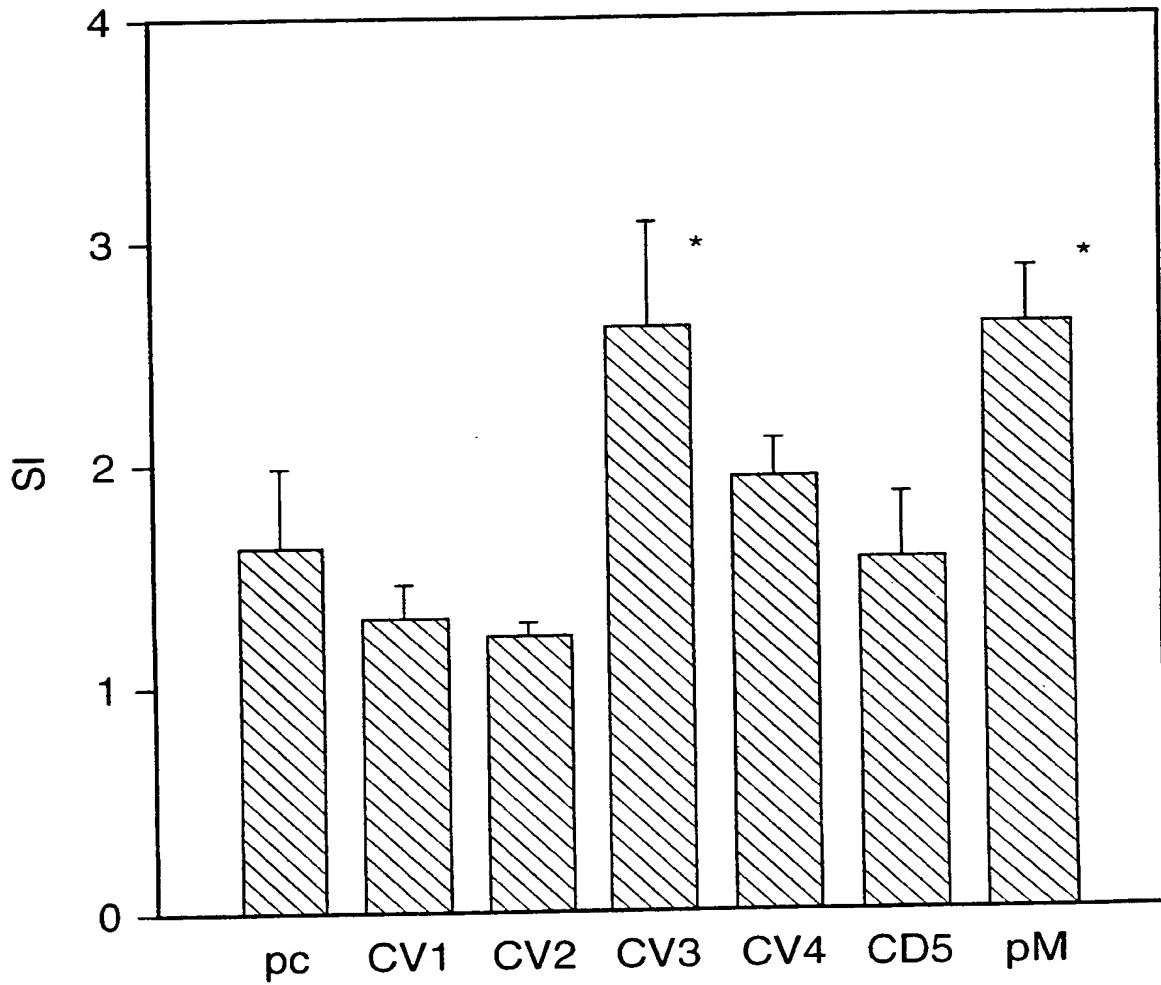


FIG.7

APPROVED	O.G. FIG.
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APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
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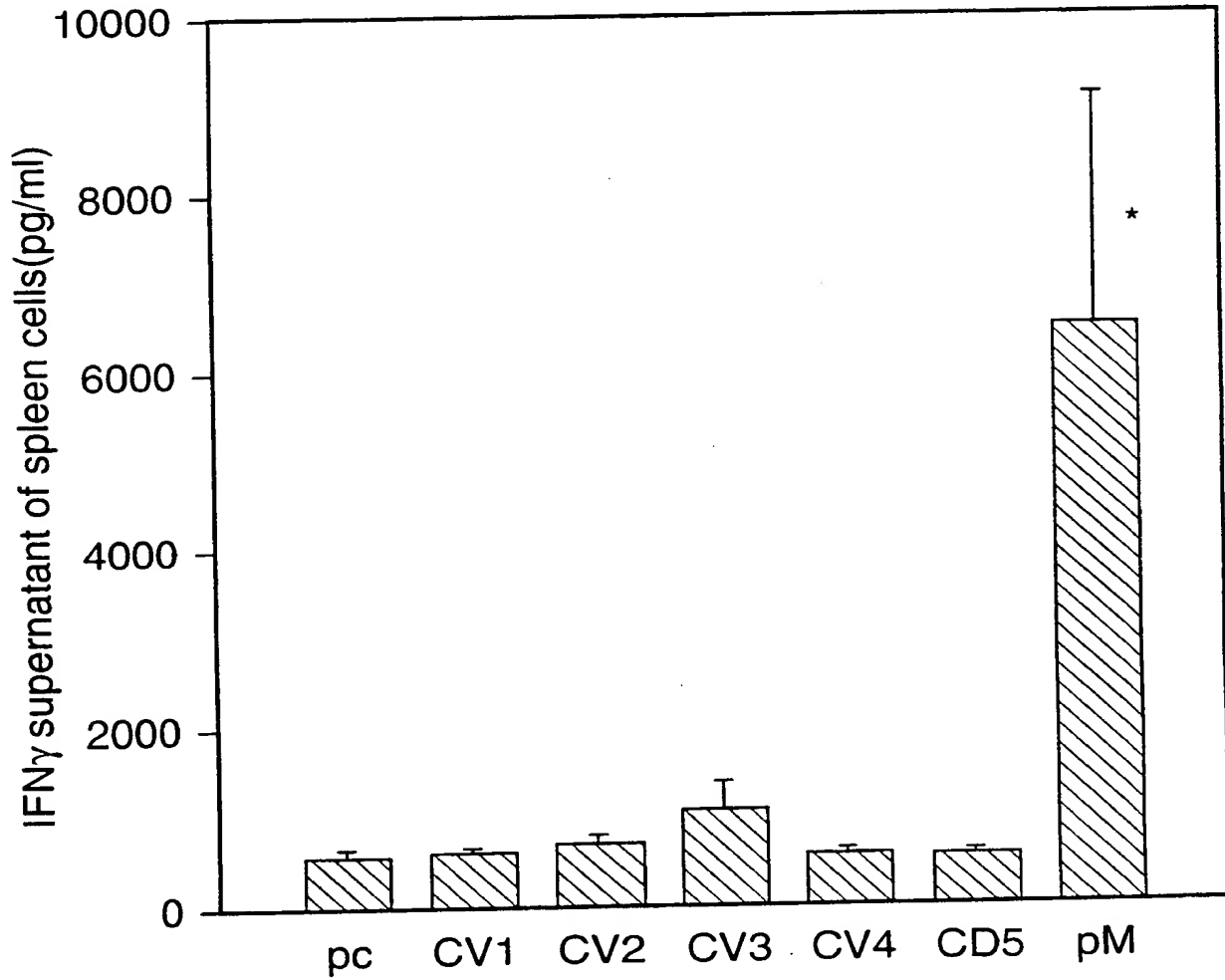


FIG.8



APPROVED BY	O.G. FIG.
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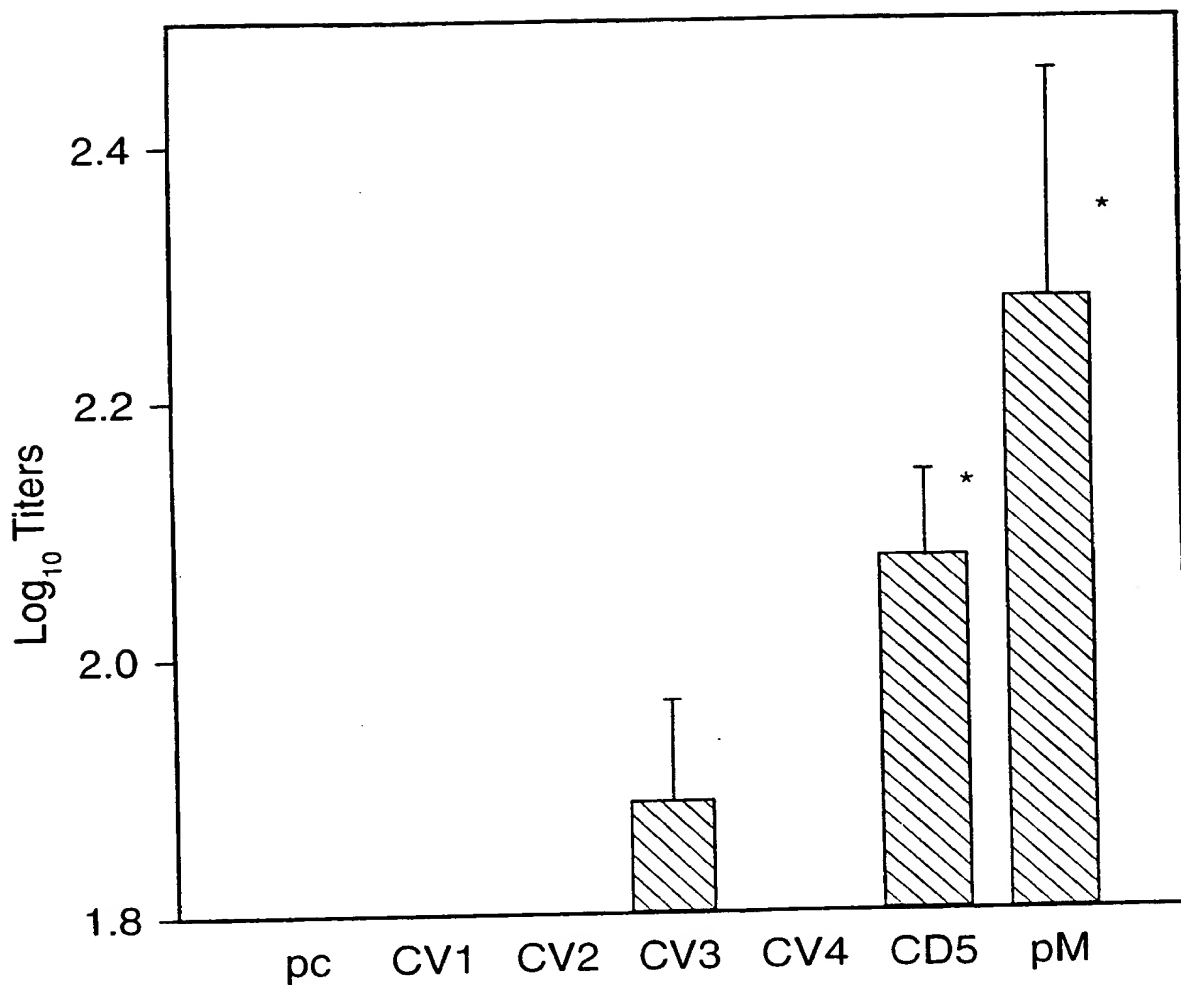


FIG.9

FIG.10A

APPROVED	O.G. FIG.
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	1	26	
E	MKLLKSVLVFAAL-SSASSLQALFVGNPAEPSIMIDGILWEGFGDP	C D	
B	.....		
L1	.....		
DA	.....		
L2	.....		
F	.....		
L3	.....		
A	.....		
C	.....		
H	.....		
MoPn	.....A. V.-G....H.....		
SFPD	.....A. V.-G....H.....		
GPIC	.....A.L...T-G..L.....L..TM..AS..		
Mn	.....A.L..TT-G..L.....L..TM..AS..		
HuPn	.....A.LS..FAG.VG....SD...L..TI..AA....		
	29	23	59
	P C	TTW C	DAISMFMGYGDFVFDRLKTDVANK
			EFQ-MGDKPTSTTGNATPTT
			...-..A...T....V..S.
			...-..A...A....A..S.
			..H-..A...TD...SA..S.
			...-..A...TA....A..S.
			78
			78
			78
			78
			78

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FIG.10B

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..E-..EALAGAS..T.--S.	76
...-..AE..TSDTAGL-SND	77
...-..AA..TSDTAGL-EKD	77
...-..AA..TSDTAGL-QND	77
...-..AA..TNDADL-QND	77
Q.E-..AA..G-DADL.TAP.	77
Q.E-..PV..T.DTD.A.DI.	76
TIS-..TA..---.N.A.DFK	75
T.SG.AAT..QA..N.SNTNQ	79
T.S-..A...---.S.A.--N	73

115

83

E	LT---ARE	NPAYGRHMQDAEMFTNAACMAINIWDREDFVF	C	TLGASSGYL
B	..---...	.....		.....
L1	C.---...	.....Y.....		.....T....
DA	..---...	.....		.....T....
L2	C.---...	.....Y.....		.....T....
F	.SKLVE.T	.....K.....T.....		.....T....
L3	P.TNW..P	.....K.....Y.....		.....TT....
A	PVANW..P	.....K.....Y.....		.....TT....
C	P.TNW..P	.....K.....Y.....		.....TT....
H	PKTNW..P	.....K.....Y.....		.....TT....

[illegible]

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BY  DRAFTSMAN	CLASS	SUBCLASS

MoPn	-PA--S..	.....K.....Y.....T.....	139	159
SFPD	TST--P..	.....K.....Y.....T.....		
GPIC	TVA--D.N	I...K.....WS...FL.....N...		
Mn	PEAN-G.P	I.....E...W.S...FL.....I...N..F		
HuPn	Y.TAVD.P	...NK.IH...W....GFI.....N..I		

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FIG.10D

	182	184	210	
E	ARAALWE	C G C	ATLGASFQYAQSKPKVEELNVL	C NAAEFTINKPKGY
B	.....	.....	.....	.....
L1	.....	.....	.....	.....
DA	.....	.....	.....	.....
L2	.....	.....	.....	.....
F	.....	.....	I.....	.....
L3	.....	.....	.....	D.S.....
A	.....	.....	.....	S.....
C	.....	.....	.....	S.....
H	.....	.....	.....	S.....
MoPn	.....	.....	.....	.....
SFPD	.....	.....	.....	Q.....
GPIC	..G....	.....	E.....N.I.M...I	S SPTQ.V.H..R..
Mn	..G....	.....	E.....N.I.M...T	S SPTQ.V.H..R..
HuPn	..G....	.....	E.....	.VSQ.SV.....
			223	233
			VD III	
			VG --QEFPLALTAGTDA	ATGTKDASIDYHEWQASLALSYRLNMTTPYIGVKSRA 273
			--K.L..D.T....	..... 274
			--K....D.T....	..... 273
			--K....D.T....	..... 273
			--....D.K....G	V..... 274

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APPROVED	O.G. FIG.
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FIG.10E

..	--K...	D.T...	.....	S.....	274
..	--A...	DIT..E.	.....	.....	276
..	--A...	DIT..E.	.....	.....	276
..	--A...	NIT..E.	.....	.....	276
..	--A...	DIT..E.	.....	.....	276
..	--	NIK...VS	.....	.....	270
..	--K...	T....S	.....	.....	279
K.	TAAN...	P.T...ES	.....	IG.....LV.....N....	270
K.	ASSN...	PIT...TE	.....	VG.....LV.....N....	280
K.	--VA...	PTD..VAT	.....	S.T.N.....VGAS.....SLV.....Q....	269

E	SFDADTIRIAQPK	SATAIFDITTTINPTIAGAG-DVKASA----	EGQLG	DT
B	.....	ET...V.....T....	.....	..
L1	.....	L.....-E...N....	.....	..
DA	.....	.....TGT-----	.....	..
L2	.....	TV...V.....	.....	..
F	S.....R	LV.PW.I.....C.-S.AGANT----	IS	..
L3	.....	L.E.VL.V.....K.-S.V.GS---NE.A	..	..
A	.....	L.KPVL.....K.-T.VS.-----NE.A	..	..
C	.....	L.E..L.V.....K.-S.VSAGT---DNE.A	..	..
H	.....	L.E..L.V.....K.-T.V.GS---DNE.A	..	..
MoPn	.....	LE.S.LKM.W.....S.S.I.-----DTKIT	..	..

FIG.10F

SFPD	.....	L.E..L.V..W.....	TIADGIGAATANG.A ..
GPIC	T....S.....	LP...INL..W...LL.---	EATTING---AKYA .Q
Mn	T.....	LKSE.INI..W..SLI.ST-	TALFNNSGK--DV.S .V
HuPn	T....N.....	LP..VINL.AW..SLL.---	NAT.LSTT---DSFS .F

335

MQIVSLQINMKSRKS	C	GIAVGTTIVDADKYAVTVE	TRLIDERAHVNAQFRF	371
.....	.....	.....	.....	372
.....	.....	.....	.....	371
.....	.....	.....	.....	371
.....	.....	.....	.....	372
.....	.....	.....	.....	373
.....	.....	.....	.....	375
.....	.....	V.....I.....	.....	374
.....	.....	.....A.....	.....	375
.....	.....	.....	.....	375
L.....	.....	L.I.....	.....	365
L.....	.....	L.I.....	.....	382
L.A..I.....A ..	.....	A.LI...WSI.G.A..N.....	.....	367
L.A.I.I.....A ..	.....	V..A.LI...WSI.G.A..N.....	M.....	380
.....C.I..F.....A ..	.....	VT..A.L.....WSL.A.A..N.....	SG....	366

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